

TENNESSEE

Science and Engineering Profile

	Tennessee	U.S.	Rank		Tennessee	U.S.	Rank
Doctoral scientists, 1993	7,145	430,332	20	Total R&D performance, 1993 (millions)	\$1,214	\$161,427	27
Doctoral engineers, 1993	1,382	81,293	17	Industry R&D, 1993 (millions)	\$792	\$117,622	26
S&E doctorates awarded, 1995	336	26,482	24	Academic R&D, 1994 (millions)	\$306	\$20,573	24
of which, in life sciences	28%	24%		of which, in life sciences	58%	55%	
in engineering	21%	23%		in engineering	17%	16%	
in psychology	18%	13%		in physical sciences	7%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	526	36,143	22	expenditures, 1993 (millions)	\$3,002	\$163,994	19
S&E graduate students, 1994				Number of SBIR awards, 1990-94	182	18,023	24
in doctorate-granting institutions	7,366	438,694	20	Patents issued to state residents, 1995	593	55,717	24
Population, 1995 (000s)	5,256	262,755	17	Gross state product, 1992 (billions)	\$108.9	\$5,994.1	20
Civilian labor force, 1995 (000s)	2,712	132,281	19	of which, agriculture	2%	2%	
Personal income per capita, 1995	\$20,376	\$22,788	37	manufacturing, mining, construction	28%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures, 1995 (millions)	\$26,175	\$1,326,294	17	wholesale and retail trade	18%	16%	
R&D obligations, 1994 (millions)	\$676	\$65,654	23	finance, insurance, real estate	14%	18%	
				services	18%	20%	
				government	12%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Tennessee by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	675,621	93,026	306,103	80,219	164,428	29,279	2,566	23
Department of Agriculture	10,162	737	0	80	9,340	5	0	39
Department of Commerce	1,161	805	255	0	101	0	0	33
Department of Defense	122,233	80,694	9,964	17,329	14,052	194	0	28
Department of Energy	348,549	1,069	287,838	51,954	7,184	504	0	5
Dept. of Health & Human Services	139,541	726	1,302	1,294	115,458	20,290	471	20
Department of the Interior	3,438	2,784	0	82	572	0	0	37
Department of Transportation	9,512	2,661	3,944	230	582	0	2,095	15
Environmental Protection Agency	1,056	0	0	841	215	0	0	34
Nat'l Aeronautics & Space Admin.	28,528	3,527	2,800	8,147	5,800	8,254	0	19
National Science Foundation	11,441	23	0	262	11,124	32	0	30
State rank	23	25	4	31	24	18	29	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.